

## ABSTRACT

### Metal coating for a kitchen utensil

The invention relates to a metal coating for a utensil for cooking food products.

The coating consists of an aluminum-based alloy containing more than 80% by weight of one or more quasicrystalline or approximant phases, having the composition  $Al_a(Fe_{1-x}X_x)_b(Cr_{1-y}Y_y)_cZ_zJ_j$  in which: X represents one or more elements isoelectronic with Fe, chosen from Ru and Os; Y represents one or more elements isoelectronic with Cr, chosen from Mo and W; Z is an element or a mixture of elements chosen from Ti, Zr, Hf, V, Nb, Ta, Mn, Re, Rh, Ni and Pd; J represents the inevitable impurities other than copper;  $a + b + c + z = 100$ ;  $5 \leq b \leq 15$ ;  $10 \leq c \leq 29$ ;  $0 \leq z \leq 10$ ;  $xb \leq 2$ ;  $yc \leq 2$ ; and  $j < 1$ .